



Contribution ID: 1985 Contribution code: WEPB075

Type: **Poster Presentation**

ESS superconducting linac cold technical commissioning

Wednesday 4 June 2025 16:00 (2 hours)

The European Spallation Source (ESS) superconducting linear accelerator (linac) represents a key component in delivering high-intensity proton beams for cutting-edge neutron science research. This paper details the first cold technical commissioning of the superconducting linac in 2MW configuration, focusing on the performance validation of cryomodules, superconducting radio-frequency (SRF) cavities and associated systems.

Footnotes

Paper preparation format

Region represented

Europe

Funding Agency

Author: ELIAS, Nuno (European Spallation Source ERIC)

Co-authors: MALANO, Cecilia (European Spallation Source ERIC); PRZYBILSKI, Henry (European Spallation Source ERIC); SKIBA, Marek (European Spallation Source ERIC); JENSEN, Morten (European Spallation Source ERIC); PIERINI, Paolo (European Spallation Source ERIC); VAN VELZE, Peter (European Spallation Source ERIC); GOUDKET, Philippe (European Spallation Source ERIC)

Presenter: ELIAS, Nuno (European Spallation Source ERIC)

Session Classification: Wednesday Poster Session

Track Classification: MC7: Accelerator Technology and Sustainability: MC7.T07 Superconducting RF